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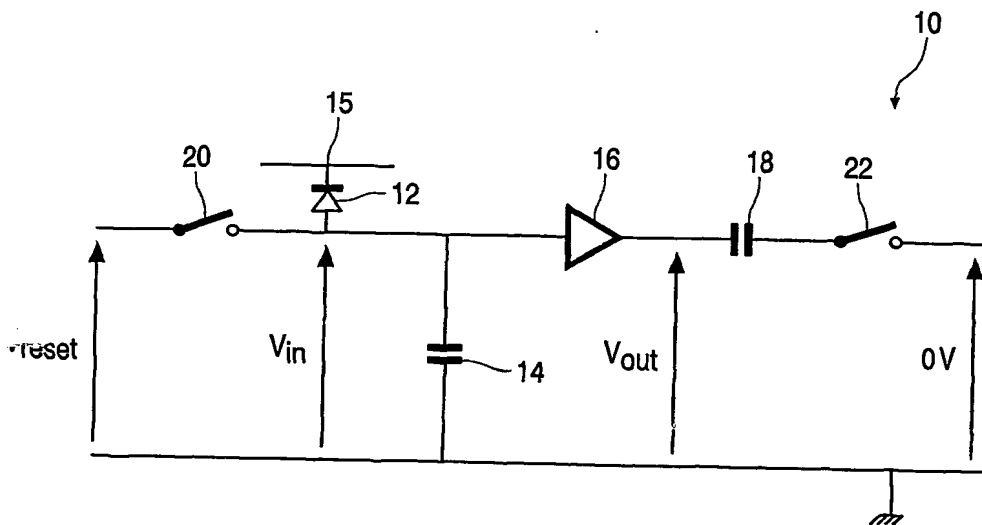
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- (54) Title:** IMAGE SENSOR



(2) An image sensor has a plurality of pixels, each pixel having a photodiode (12), a voltage amplifier (16) having gain greater than 1 and a sampling capacitor (18) charged by the voltage amplifier. In this arrangement, each pixel provides gain through voltage amplification. This enables the sampling capacitor (18) to be kept to a low size, so that the pixel circuitry occupies the smallest possible space, thereby enabling large aperture pixels to be formed.

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